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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of )  
Kiril B. Chukanov )  
Serial No.: 09/990,024 ) Art Unit  
Filed: November 21, 2001 ) 2879  
For: METHODS AND SYSTEMS FOR )  
GENERATING HIGH-ENERGY PHOTONS )  
OR QUANTUM ENERGY )

INFORMATION DISCLOSURE STATEMENT

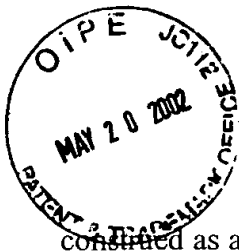
Assistant Commissioner  
of Patents  
Washington, D. C. 20231

Sir:

This Information Disclosure Statement discloses information which has come to the attention of applicant and/or his attorneys and is being submitted so as to comply with the duty of disclosure set forth in 37 C.F.R. § 1.56. In accordance with 37 C.F.R. § 1.97(b), this Statement is being filed within three (3) months of the filing date of the above-identified application or before the mailing date of a first Office Action.

Neither applicant nor his attorneys make any representation that any information disclosed herein may be "prior art" within the meaning of that term under 35 U.S.C. §§ 102 or 103. Moreover, pursuant to 37 C.F.R. § 1.97, the filing of this Information Disclosure Statement shall not be

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considered as a representation that a search has been made or as an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

In accordance with 37 C.F.R. § 1.98, this Information Disclosure Statement includes and is accompanied by:

1. A completed copy of Form PTO-1449 listing the patents, publications and other information being submitted for consideration; and
2. A legible copy of each listed patent, publication and other item of information in written form.

DATED this 16<sup>th</sup> day of May, 2002.

Respectfully submitted,

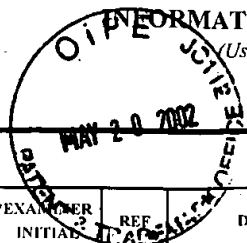
Berne S. Broadbent  
Attorney for Applicant  
Registration No. 30,550

KIRTON & McCONKIE  
1800 Eagle Gate Tower  
60 East South Temple Street  
P.O. Box 45120  
Salt Lake City, Utah 84145-0120  
Telephone: (801) 328-3600

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Docket Number (Optional) <b>10535.2</b>	Application Number <b>09/990,024</b>
Applicant(s) <b>Kiril B. Chukanov</b>	
Filing Date <b>November 21, 2001</b>	Group Art Unit <b>2879</b>

## U.S. PATENT DOCUMENTS

*EXAMINER INITIALS	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	1	6,088,120	07/11/2000	Shibusawa, et al.	358	1.15	03/26/1997
	2	5,541,385	07/30/1996	Konkola	219	121.6	
	3	5,537,009	07/16/1996	Chukanov	315	248	06/15/1994
	4	5,175,466	12/29/1992	Seward, III	313	231.31	02/24/1992
	5	5,153,901	10/06/1992	Shoulders	378	119	04/12/1991
	6	5,148,461	09/15/1992	Shoulders	378	119	04/12/1991
	7	5,123,039	06/16/1992	Shoulders	378	119	04/12/1991
	8	5,054,047	10/01/1991	Shoulders	378	119	05/14/1990
	9	5,054,046,	10/01/1991	Shoulders	378	119	06/13/1990
	10	5,018,180	05/21/1991	Shoulders	378	119	05/03/1989
	11	4,654,561	03/31/1987	Shelton	315	111.71	10/07/1985

## FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	12	Aspden, Harold, "Aether Science Papers: Part I: The Creative Vacuum," Aether Science Papers, (1996), pp. 26-32
	13	Chukanov, Kiril Borissov, "Final Quantum Revelation," General Energy Int'l., Salt Lake City, Utah (1994)

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

# INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

MAY 20 2002

Docket Number (Optional)

10535.2

Application Number

09/990,024

Applicant(s)

Kiril B. Chukanov

Filing Date

November 21, 2001

Group Art Unit

2879

\*EXAMINER

INITIALS

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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Langmuir, Irving, "Irving Langmuir's Ball Lightning Tube," Scientific American, (1920)

15

Lowke, J J, "A Theory of Ball Lightning as an Electric Discharge," J. Phys. D: Appl. Phys. Vol. 29, pp. 1237-1244, (1996)

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Rañada, Antonio F., Soler, Mario, and Trueba, José L., "Ball Lightning as a Force-Free Magnetic Knot," Physical Review E, Vol. 62, No. 5, pp. 7181-7190, (Nov. 2000)

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Roth, J. Reece, "Ball Lightning: What Nature is Trying to Tell the Plasma Research Community," Fusion Technology, Vol. 27, pp. 255-269, (May 1995).

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Sanduloviciu, M. and Lozneanu, E., "Ball Lightning as a Self-Organization Phenomenon," Journal of Geophysical Research, Vol. 105, No. D4, (Feb. 27, 2000) pp. 4719-4727.

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Tsui, K. H., "Force-free model of ball lightning," Physics of Plasmas, Vol. 8, No. 3, (March 2001)

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Turner, D. J., "Ball Lightning and Other Meteorological Phenomena," Physics Reports 293, University of Bristol, (1998).

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GP 2879

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.  
10535.2

In Re Application Of: Kiril B. Chukanov

Serial No.  
09/990,024

Filing Date  
November 21, 2001

Examiner  
Unknown

Group Art Unit  
2879

Title: **METHODS AND SYSTEMS FOR GENERATING HIGH ENERGY PHOTONS OR QUANTUM ENERGY**

Address to:  
Assistant Commissioner for Patents  
Washington, D.C. 20231

**37 CFR 1.97(b)**

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application; within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; or before the mailing date of a first Office Action on the merits, whichever event occurs last.

**37 CFR 1.97(c)**

- ☐ The Information Disclosure Statement submitted herewith is being filed after three months of the filing of a national application, or the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; or after the mailing date of a first Office Action on the merits, whichever occurred last but before the mailing date of either:

1. a Final Action under 37 CFR 1.113, or
2. a Notice of Allowance under 37 CFR 1.311,

whichever occurs first.

Also submitted herewith is:

- ☐ a certification as specified in 37 CFR 1.97(e);

OR

the fee set forth in 37 CFR 1.17(p) for submission of an Information Disclosure Statement under 37 CFR 1.97(c).

Information Disclosure Statement Under 37 C.F.R. § 1.97.

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The PTO did not receive the following listed item(s):  
Form 21 performed

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.  
10535:2

In Re Application of Kiril B. Chukanov

Serial No. 09/990,022 Filing Date November 21, 2001

Examiner  
Unknown

Group Art Unit  
2879

Title: **METHODS AND SYSTEMS FOR GENERATING HIGH ENERGY PHOTONS OR QUANTUM ENERGY**

**Payment of Fee**

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☐ A check in the amount of \_\_\_\_\_ is attached.
- ☐ The Assistant Commissioner is hereby authorized to charge and credit Deposit Account No. \_\_\_\_\_ as described below. A duplicate copy of this sheet is enclosed.
- ☐ Charge the amount of \_\_\_\_\_
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**Certificate of Mailing by First Class Mail**

I certify that this document and fee is being deposited on May 16, 2002 with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Signature of Person Mailing Correspondence

Margaret Carlson

Typed or Printed Name of Person Mailing Correspondence

This certificate may only be used if paying by deposit account.

Broadbent,  
for Applicant  
Phone No. 30,550  
& McCONKIE  
Gate Tower  
South Temple  
City, Utah 84111  
500

Dated: 5/16/2002

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